

What is claimed is:

1. An antenna comprising:

a magnetic body magnetized by a radio wave; and a
conductor wound around a part of the magnetic body so as to
5 flow a current according to an intensity of a magnetic field
produced on the magnetic body,

wherein the magnetic body comprises an antenna main
body having the conductor wound around thereon and a radio
wave receiving part which is formed independently of the
10 antenna main body, for receiving a radio wave;

an area of a radio wave receiving region of the radio
wave receiving part is larger than a cross sectional area of
the antenna main body in a direction orthogonal to a winding
direction of the conductor; and

15 the radio wave receiving part is arranged so as to be
in contact with the antenna main body at an end in the winding
direction of the conductor.

2. The antenna as claimed in claim 1, wherein the
20 radio wave receiving part comprises concavities for coupling
the antenna main body thereto, the radio wave receiving part
and the antenna main body being coupled by fitting ends of
the antenna main body into the concavities of the radio wave
receiving part.

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3. The antenna as claimed in claim 1, wherein grooves

are formed on the radio wave receiving part for coupling the antenna main body thereto, and protrusions which fit into the grooves of the radio wave receiving part are formed on ends of the antenna main body, the radio wave receiving part and
5 the antenna main body being coupled by fitting the protrusions of the antenna main body into the grooves of the radio wave receiving part.

4. The antenna as claimed in claim 1, wherein both
10 ends of the antenna main body are formed in a saw-toothed shape having continuous ridge and valley portions, and connection parts of the radio wave receiving part are formed in a saw-toothed shape having continuous ridge and valley portions, and the saw-toothed shapes of the antenna main body are
15 engaged with the saw-toothed shapes of the radio wave receiving part.

5. The antenna as claimed in claim 1, wherein the radio wave receiving part is arranged apart from the antenna
20 main body.

6. A wristwatch comprising the antenna as claimed in claim 1, which is contained in a case body of the wristwatch.

25 7. An antenna comprising:
a magnetic body magnetized by a radio wave; and a

conductor wound around a part of the magnetic body so as to flow a current according to an intensity of a magnetic field produced on the magnetic body,

wherein the magnetic body comprises an antenna main
5 body having the conductor wound around thereon and a radio wave receiving part which is formed independently of the antenna main body, for receiving a radio wave;

an area of a radio wave receiving region of the radio wave receiving part is larger than a cross sectional area of
10 the antenna main body in a direction orthogonal to a winding direction of the conductor; and

the radio wave receiving part is formed on an electronic board as a pattern, and is arranged so as to be in contact with the antenna main body at an end in the winding direction
15 of the conductor.

8. The antenna as claimed in claim 7, wherein the antenna is formed by fitting the antenna main body into a mounting hole formed in the electronic board.
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9. The antenna as claimed in claim 7, wherein the radio wave receiving part is arranged apart from the antenna main body.

25 10. The antenna as claimed in claim 7, wherein the antenna main body comprises a film-type coil element on which

the conductor is wound; and

the radio wave receiving part is formed on a film substrate as a pattern, and is disposed on the film substrate so as to be in contact with the antenna main body at the end
5 in an axis direction of the antenna main body.

11. A wristwatch comprising the antenna as claimed in claim 7, which is contained in a case body of the wristwatch.